

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jul 1, '07	Jul 8, '07	Jul 15, '07	Jul 22, '07	Jul 29, '07	Aug 5, '07
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD		20 hrs	18 hrs	6 hrs		
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts	23.2 hrs	39.88 hrs	65.48 hrs	25.2 hrs	25.2 hrs	
Gabriele Garzoglio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action		32 hrs	18 hrs	2 hrs	32 hrs	
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework	16 hrs	20 hrs	40 hrs			

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jul 1, '07	Jul 8, '07	Jul 15, '07	Jul 22, '07	Jul 29, '07	Aug 5, '07
Automatic analysis of test results Integrate with alarming system						
Parag Mhashilkar Store output from any stage: Describe suitable test of feature D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App Generalization of Job Types according to I/O Characteristics Resolve how to add production paths in future: Document Start Prod at Stage 2: SamGrid notification=all bug fix New VDT: software adaptation and deployment Developers install and test candidate fwd node (by Fri Oct 26) Adjust current installation instructions Adjust current software to use standard location as default Developers install and test samgrid-like node (by Fri Nov 2) Adjust current installation instructions Adjust current software to use standard location as default Define standard durable location machine configuration Developers install and test durable location node (by Fri Nov 23) Adjust current installation instructions Adjust current software to use standard location as default Auto-clean up SamGrid job queue (samgrid.fnal.gov) Auto-clean up OSG job queue (fwd nodes) Resolve: Globus gatekeeper does not properly cleanup gass caches Periodically clean up gram log files at fwd nodes and exec sites Clean up sandboxes and jim_tmp areas at fwd node Clean up non-rotated log files (eg. Tomcat) Automation of all gridmap file management (including condor_schedd) Add the deployment of scripts to installation instructions Determine goal level, requirements Determine existing querying performance Evaluate condor_quill, if determined to be necessary Improve algorithm for selection of OSG resources Investigate alternative (to UPD) deployment methods Simplify installation process with new method or with a UPD umbrella package Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures Auto Mgmt XML DB: Large DB performance degradation Auto Mgmt XML DB: Infrequent index corruption Fix Immortal Jobs: SamGrid development/integration Job State diagram with most common error state causes Augment Job States to be more meaningful to large customer Establish service level for optimal performance and implications on system config	32 hrs	42 hrs	38 hrs	40 hrs	68 hrs	
Adam Lyon	8 hrs	42 hrs	12 hrs		16 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jul 1, '07	Jul 8, '07	Jul 15, '07	Jul 22, '07	Jul 29, '07	Aug 5, '07
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications						
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config	24 hrs	36 hrs				
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config						
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob	8 hrs					
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures					4 hrs	
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jul 1, '07	Jul 8, '07	Jul 15, '07	Jul 22, '07	Jul 29, '07	Aug 5, '07
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB						
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system						
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jul 1, '07	Jul 8, '07	Jul 15, '07	Jul 22, '07	Jul 29, '07	Aug 5, '07
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Aug 5, '07	Aug 12, '07	Aug 19, '07	Aug 26, '07	Sep 2, '07	Sep 9, '07
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD		4 hrs		8 hrs		
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts		42 hrs	42 hrs	50 hrs	39.6 hrs	
Gabriele Garzoglio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action	56 hrs	87.2 hrs	48.6 hrs	8 hrs	52 hrs	
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework		24 hrs	24 hrs		32 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Aug 5, '07	Aug 12, '07	Aug 19, '07	Aug 26, '07	Sep 2, '07	Sep 9, '07
Automatic analysis of test results Integrate with alarming system						
Parag Mhashilkar Store output from any stage: Describe suitable test of feature D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App Generalization of Job Types according to I/O Characteristics Resolve how to add production paths in future: Document Start Prod at Stage 2: SamGrid notification=all bug fix New VDT: software adaptation and deployment Developers install and test candidate fwd node (by Fri Oct 26) Adjust current installation instructions Adjust current software to use standard location as default Developers install and test samgrid-like node (by Fri Nov 2) Adjust current installation instructions Adjust current software to use standard location as default Define standard durable location machine configuration Developers install and test durable location node (by Fri Nov 23) Adjust current installation instructions Adjust current software to use standard location as default Auto-clean up SamGrid job queue (samgrid.fnal.gov) Auto-clean up OSG job queue (fwd nodes) Resolve: Globus gatekeeper does not properly cleanup gass caches Periodically clean up gram log files at fwd nodes and exec sites Clean up sandboxes and jim_tmp areas at fwd node Clean up non-rotated log files (eg. Tomcat) Automation of all gridmap file management (including condor_schedd) Add the deployment of scripts to installation instructions Determine goal level, requirements Determine existing querying performance Evaluate condor_quill, if determined to be necessary Improve algorithm for selection of OSG resources Investigate alternative (to UPD) deployment methods Simplify installation process with new method or with a UPD umbrella package Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures Auto Mgmt XML DB: Large DB performance degradation Auto Mgmt XML DB: Infrequent index corruption Fix Immortal Jobs: SamGrid development/integration Job State diagram with most common error state causes Augment Job States to be more meaningful to large customer Establish service level for optimal performance and implications on system config	60 hrs	8 hrs				
Adam Lyon	16 hrs	60 hrs	48 hrs	8 hrs	34 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Aug 5, '07	Aug 12, '07	Aug 19, '07	Aug 26, '07	Sep 2, '07	Sep 9, '07
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications						
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config						
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config	16 hrs	40 hrs	8 hrs			
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob						
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Aug 5, '07	Aug 12, '07	Aug 19, '07	Aug 26, '07	Sep 2, '07	Sep 9, '07
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB						
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system						
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Aug 5, '07	Aug 12, '07	Aug 19, '07	Aug 26, '07	Sep 2, '07	Sep 9, '07
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Sep 9, '07	Sep 16, '07	Sep 23, '07	Sep 30, '07	Oct 7, '07	Oct 14, '07
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD				8 hrs		
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts	70 hrs	66.8 hrs 0.8 hrs	46 hrs 4 hrs	54.8 hrs 4 hrs	56.83 hrs 8 hrs 4 hrs 16 hrs 16 hrs 4.8 hrs	
Gabriele Garzoglio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action	85.63 hrs	24 hrs	26 hrs	41 hrs 20 hrs	20 hrs 20 hrs	
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework	64 hrs	40 hrs	50 hrs	40 hrs	56 hrs 16 hrs 40 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Sep 9, '07	Sep 16, '07	Sep 23, '07	Sep 30, '07	Oct 7, '07	Oct 14, '07
Automatic analysis of test results Integrate with alarming system						
Parag Mhashilkar Store output from any stage: Describe suitable test of feature D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App Generalization of Job Types according to I/O Characteristics Resolve how to add production paths in future: Document Start Prod at Stage 2: SamGrid notification=all bug fix New VDT: software adaptation and deployment Developers install and test candidate fwd node (by Fri Oct 26) Adjust current installation instructions Adjust current software to use standard location as default Developers install and test samgrid-like node (by Fri Nov 2) Adjust current installation instructions Adjust current software to use standard location as default Define standard durable location machine configuration Developers install and test durable location node (by Fri Nov 23) Adjust current installation instructions Adjust current software to use standard location as default Auto-clean up SamGrid job queue (samgrid.fnal.gov) Auto-clean up OSG job queue (fwd nodes) Resolve: Globus gatekeeper does not properly cleanup gass caches Periodically clean up gram log files at fwd nodes and exec sites Clean up sandboxes and jim_tmp areas at fwd node Clean up non-rotated log files (eg. Tomcat) Automation of all gridmap file management (including condor_schedd) Add the deployment of scripts to installation instructions Determine goal level, requirements Determine existing querying performance Evaluate condor_quill, if determined to be necessary Improve algorithm for selection of OSG resources Investigate alternative (to UPD) deployment methods Simplify installation process with new method or with a UPD umbrella package Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures Auto Mgmt XML DB: Large DB performance degradation Auto Mgmt XML DB: Infrequent index corruption Fix Immortal Jobs: SamGrid development/integration Job State diagram with most common error state causes Augment Job States to be more meaningful to large customer Establish service level for optimal performance and implications on system config		64 hrs	44 hrs	37 hrs	44 hrs	
					8 hrs	
		8 hrs	20 hrs	20 hrs	20 hrs	
					16 hrs	
Adam Lyon	40 hrs		40 hrs	40 hrs	80 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Sep 9, '07	Sep 16, '07	Sep 23, '07	Sep 30, '07	Oct 7, '07	Oct 14, '07
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications				24 hrs	40 hrs	
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config			16 hrs	17 hrs	32 hrs 16 hrs 16 hrs	
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config				40 hrs 40 hrs	40 hrs 40 hrs	
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config			8 hrs	2.5 hrs		
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob					8 hrs 8 hrs	
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures	4 hrs	4 hrs	4 hrs 4 hrs	4 hrs 4 hrs	4 hrs 4 hrs	
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)		24 hrs 24 hrs	72 hrs 40 hrs	80 hrs 40 hrs	80 hrs 40 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Sep 9, '07	Sep 16, '07	Sep 23, '07	Sep 30, '07	Oct 7, '07	Oct 14, '0
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB			32 hrs	40 hrs	40 hrs	
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system	48 hrs	80 hrs	80 hrs	32 hrs		
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)	48 hrs	80 hrs	80 hrs	32 hrs		
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS					32 hrs	
					32 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Sep 9, '07	Sep 16, '07	Sep 23, '07	Sep 30, '07	Oct 7, '07	Oct 14, '0
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Oct 14, '07	Oct 21, '07	Oct 28, '07	Nov 4, '07	Nov 11, '07	Nov 18, '07
Amber Boehnlein	8 hrs	4 hrs		16 hrs		
Resolve how to add production paths in future: D0 Approval				16 hrs		
Operations Policies doc: Approve - CD, D0						
Baseline Plan: Approval by ABS, CD	8 hrs	4 hrs				
Project Close-out Report Approval: ABS, CD						
Rob Kennedy	50 hrs	18 hrs	9.2 hrs	22 hrs	6 hrs	
High-level Architecture Document: Approval - VW				16 hrs		
Operations Policies doc: Approve - CD, D0						
Develop WBS for implementing this capability	4 hrs	4 hrs	3.2 hrs			
Project Definition Document: Draft w/o WBS/Schedule	8 hrs					
Project Execution Plan: Draft w/o WBS/Schedule	8 hrs					
Baseline Plan: Integrate components, feed-back, update draft v1.1	8 hrs					
Baseline Plan: Approval by ABS, CD	16 hrs	8 hrs				
Execution Phase (Level of Effort = 15%)	6 hrs	6 hrs	6 hrs	6 hrs	6 hrs	
Project Close-out Meeting						
Project Close-out Report						
Project Close-out Report Approval: ABS, CD						
Archive project artifacts						
Gabriele Garzoglio	20 hrs	30 hrs	38 hrs	50 hrs	40 hrs	
Testing responsibilities, procedures proposal						
Organize activities to prepare for LCG fwd node downtime	20 hrs	20 hrs	20 hrs			
Open Science Enclave baseline security plan - implications on SamGrid, CAB		10 hrs	10 hrs	10 hrs		
Use ResS (more flexible than use of roles)			8 hrs	20 hrs	20 hrs	
Establish service level for optimal performance and implications on system config						
Evaluate request, determine best course of action				20 hrs	20 hrs	
Andrew Baranovski	60 hrs	56 hrs	56 hrs	48 hrs	40 hrs	
Tool to setup worker node environment		12 hrs	20 hrs	8 hrs		
Simplify maintenance of automatic clean-up scripts for durable locations						
Make output sandbox space management more robust	4 hrs					
Provide tools (to MD) for accessing old logfiles	16 hrs	4 hrs				
Develop converter between SamGrid config and next-gen cron	40 hrs					
Generate NGOP agents from set of monitoring scripts and config		8 hrs				
Store duplicate configuration of fwd node		8 hrs				
Accept existing configuration of fwd node		8 hrs				
Dispatch list of monitoring agents periodically, collect statuses		8 hrs				
Create distributable UPD package		8 hrs				
Develop generic scripts for Gridftp and Fcp monitoring			8 hrs			
Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component			16 hrs			
Data Nodes: Stager, Durable location, caches, Gridftp, Fcp			12 hrs			
Assess automation of alarming systems				16 hrs		
Integration deployment and testing				24 hrs	16 hrs	
Documentation					24 hrs	
Develop automatic job management framework						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Oct 14, '07	Oct 21, '07	Oct 28, '07	Nov 4, '07	Nov 11, '07	Nov 18, '07
Automatic analysis of test results						
Integrate with alarming system						
Parag Mhashilkar	26 hrs	58 hrs	70 hrs	62 hrs	50 hrs	
Store output from any stage: Describe suitable test of feature						
D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob	10 hrs	2 hrs				
D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App		8 hrs	10 hrs	10 hrs	10 hrs	
Generalization of Job Types according to I/O Characteristics						
Resolve how to add production paths in future: Document						
Start Prod at Stage 2: SamGrid notification=all bug fix						
New VDT: software adaptation and deployment	16 hrs					
Developers install and test candidate fwd node (by Fri Oct 26)		32 hrs				
Adjust current installation instructions			16 hrs			
Adjust current software to use standard location as default			16 hrs			
Developers install and test samgrid-like node (by Fri Nov 2)			8 hrs	16 hrs		
Adjust current installation instructions				16 hrs		
Adjust current software to use standard location as default				8 hrs	8 hrs	
Define standard durable location machine configuration						
Developers install and test durable location node (by Fri Nov 23)						24 hrs
Adjust current installation instructions						8 hrs
Adjust current software to use standard location as default						
Auto-clean up SamGrid job queue (samgrid.fnal.gov)		16 hrs				
Auto-clean up OSG job queue (fwd nodes)			20 hrs	12 hrs		
Resolve: Globus gatekeeper does not properly cleanup gass caches						
Periodically clean up gram log files at fwd nodes and exec sites						
Clean up sandboxes and jim_tmp areas at fwd node						
Clean up non-rotated log files (eg. Tomcat)						
Automation of all gridmap file management (including condor_schedd)						
Add the deployment of scripts to installation instructions						
Determine goal level, requirements						
Determine existing querying performance						
Evaluate condor_quill, if determined to be necessary						
Improve algorithm for selection of OSG resources						
Investigate alternative (to UPD) deployment methods						
Simplify installation process with new method or with a UPD umbrella package						
Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space						
Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures						
Auto Mgmt XML DB: Large DB performance degradation						
Auto Mgmt XML DB: Infrequent index corruption						
Fix Immortal Jobs: SamGrid development/integration						
Job State diagram with most common error state causes						
Augment Job States to be more meaningful to large customer						
Establish service level for optimal performance and implications on system config						
Adam Lyon	16 hrs		24 hrs	16 hrs		

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Oct 14, '07	Oct 21, '07	Oct 28, '07	Nov 4, '07	Nov 11, '07	Nov 18, '07
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications	16 hrs		24 hrs	16 hrs		
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config	40 hrs 40 hrs	10 hrs 10 hrs	10 hrs 10 hrs	10 hrs 10 hrs	8 hrs 8 hrs	
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config	40 hrs 40 hrs	40 hrs 40 hrs	40 hrs 40 hrs			
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config	48 hrs 40 hrs 8 hrs	24 hrs 16 hrs 8 hrs			24 hrs 24 hrs	
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob	58 hrs 10 hrs 40 hrs 8 hrs	90 hrs 2 hrs 32 hrs 16 hrs 40 hrs	72 hrs 40 hrs 32 hrs	64 hrs 40 hrs 24 hrs	72.67 hrs 40 hrs 16 hrs 16.67 hrs	
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures	44 hrs 4 hrs 40 hrs	20 hrs 4 hrs 16 hrs	4 hrs 4 hrs	4 hrs 4 hrs	28 hrs 4 hrs 24 hrs	
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)	120 hrs 8 hrs 32 hrs	98 hrs 8 hrs	58 hrs	66 hrs	56 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Oct 14, '07	Oct 21, '07	Oct 28, '07	Nov 4, '07	Nov 11, '07	Nov 18, '07
Admins and REX ops configure production fwd node				16 hrs		
Admins and REX ops configure production fwd node					16 hrs	
Admins and REX ops configure production fwd node						
Admins procure HW parts for samgrid-like node (job queuing, broker, web server)	40 hrs	8 hrs				
Admins configure test instance of samgrid-like node		32 hrs	8 hrs			
Admins configure production samgrid-like node					32 hrs	
Admins procure and configure durable location test node	40 hrs	40 hrs	40 hrs	8 hrs		
Admins configure test instance of durable location node (by Fri Nov 9)				32 hrs	8 hrs	
Open Science Enclave baseline security plan - implications on SamGrid, CAB		10 hrs	10 hrs	10 hrs		
REX Operators	24 hrs	40 hrs	48 hrs	48 hrs	32 hrs	
REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	12 hrs	20 hrs	20 hrs	8 hrs		
Topical Operations Training and Docs as requested by REX ops (Level of Effort)	12 hrs	20 hrs	20 hrs	8 hrs		
REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)						
Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
REX ops re-installs on candidate machine			8 hrs	8 hrs		
Switch candidate machine and d0srv047 (fwd + station) (Nov 6)				8 hrs		
REX ops drains and take production fwd node offline				8 hrs		
REX ops installs software on production fwd node (d0srv66)					8 hrs	
Put fwd node back into system d0srv66 (Nov 13)					8 hrs	
REX ops drains and take production fwd node offline					8 hrs	
REX ops installs software on production fwd node (d0srv15)						
Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15)						
REX ops installs software on test fwd node (d0srv47)				8 hrs	8 hrs	
Reinstall LCG fwd node (Dec 4 downtime)						
REX ops installs software on production samgrid-like node						
Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime)						
REX ops re-installs on test machine						
Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27)						
Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29)						
Develop automatic job management framework						
Automatic analysis of test results						
Integrate with alarming system						
SamGrid Developers	64 hrs	56 hrs	40 hrs	16 hrs	16.67 hrs	
Agreement on Component and Integration testing	40 hrs	16 hrs				
Evaluate and sign-off on test facilities and procedures					16.67 hrs	
REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	12 hrs	20 hrs	20 hrs	8 hrs		
Topical Operations Training and Docs as requested by REX ops (Level of Effort)	12 hrs	20 hrs	20 hrs	8 hrs		
REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)						
Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource	40 hrs	72 hrs	80 hrs	16 hrs		
Grid Production System workflow/dataflow diagram		32 hrs	8 hrs			
Grid Production System info on diagram: node roles, software, maintainers			32 hrs	8 hrs		
CAB web monitoring changes requested by MD,JS	40 hrs	8 hrs				

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Oct 14, '07	Oct 21, '07	Oct 28, '07	Nov 4, '07	Nov 11, '07	Nov 18, '07
Improve job monitoring, include trend plots		32 hrs	40 hrs	8 hrs		

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Nov 18, '07	Nov 25, '07	Dec 2, '07	Dec 9, '07	Dec 16, '07	Dec 23, '07
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD				40 hrs 40 hrs		
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts	3.6 hrs 3.6 hrs	6 hrs 6 hrs	6 hrs 6 hrs	6 hrs 6 hrs	3.6 hrs 3.6 hrs	
Gabriele Garzogio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action	12 hrs 12 hrs					
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework	24 hrs 24 hrs	32 hrs 32 hrs	40 hrs 32 hrs 8 hrs	40 hrs 40 hrs	40 hrs 32 hrs	

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Nov 18, '07	Nov 25, '07	Dec 2, '07	Dec 9, '07	Dec 16, '07	Dec 23, '07
Automatic analysis of test results					8 hrs	
Integrate with alarming system						
Parag Mhashilkar	26 hrs	72 hrs	48 hrs	50 hrs	34 hrs	
Store output from any stage: Describe suitable test of feature				10 hrs		
D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob						
D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App	2 hrs					
Generalization of Job Types according to I/O Characteristics		32 hrs				
Resolve how to add production paths in future: Document			40 hrs			
Start Prod at Stage 2: SamGrid notification=all bug fix						
New VDT: software adaptation and deployment						
Developers install and test candidate fwd node (by Fri Oct 26)						
Adjust current installation instructions						
Adjust current software to use standard location as default						
Developers install and test samgrid-like node (by Fri Nov 2)						
Adjust current installation instructions						
Adjust current software to use standard location as default						
Define standard durable location machine configuration						
Developers install and test durable location node (by Fri Nov 23)						
Adjust current installation instructions						
Adjust current software to use standard location as default	8 hrs					
Auto-clean up SamGrid job queue (samgrid.fnal.gov)						
Auto-clean up OSG job queue (fwd nodes)						
Resolve: Globus gatekeeper does not properly cleanup gass caches	8 hrs					
Periodically clean up gram log files at fwd nodes and exec sites	8 hrs					
Clean up sandboxes and jim_tmp areas at fwd node		8 hrs				
Clean up non-rotated log files (eg. Tomcat)		16 hrs				
Automation of all gridmap file management (including condor_schedd)		16 hrs				
Add the deployment of scripts to installation instructions			8 hrs			
Determine goal level, requirements					8 hrs	
Determine existing querying performance					2 hrs	
Evaluate condor_quill, if determined to be necessary						
Improve algorithm for selection of OSG resources						
Investigate alternative (to UPD) deployment methods						
Simplify installation process with new method or with a UPD umbrella package						
Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space						
Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures						
Auto Mgmt XML DB: Large DB performance degradation						
Auto Mgmt XML DB: Infrequent index corruption						
Fix Immortal Jobs: SamGrid development/integration						
Job State diagram with most common error state causes				40 hrs		
Augment Job States to be more meaningful to large customer					24 hrs	
Establish service level for optimal performance and implications on system config						
Adam Lyon				8 hrs		

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Nov 18, '07	Nov 25, '07	Dec 2, '07	Dec 9, '07	Dec 16, '07	Dec 23, '07
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications				8 hrs		
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config					40 hrs 24 hrs 8 hrs 8 hrs	
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config	16 hrs 16 hrs	8 hrs 8 hrs			16 hrs 16 hrs	
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature					24 hrs 24 hrs	
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob	8 hrs 8 hrs					
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures	16 hrs 16 hrs					
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)		16 hrs				

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Nov 18, '07	Nov 25, '07	Dec 2, '07	Dec 9, '07	Dec 16, '07	Dec 23, '07
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB		16 hrs				
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system	64 hrs 16 hrs 8 hrs 24 hrs 16 hrs	72 hrs 20 hrs 20 hrs 16 hrs 16 hrs	64 hrs 20 hrs 20 hrs 8 hrs 8 hrs	80 hrs 20 hrs 20 hrs 40 hrs	40 hrs 32 hrs 8 hrs	
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)		40 hrs 20 hrs 20 hrs	40 hrs 20 hrs 20 hrs	40 hrs 20 hrs 20 hrs		
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Nov 18, '07	Nov 25, '07	Dec 2, '07	Dec 9, '07	Dec 16, '07	Dec 23, '0
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Dec 23, '07	Dec 30, '07	Jan 6, '08	Jan 13, '08	Jan 20, '08	Jan 27, '0
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD						
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts			6 hrs	6 hrs	4.8 hrs	
			6 hrs	6 hrs	4.8 hrs	
Gabriele Garzoglio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action			8 hrs	32 hrs		
			8 hrs	32 hrs		
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework	24 hrs	24 hrs	40 hrs	24 hrs		

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Dec 23, '07	Dec 30, '07	Jan 6, '08	Jan 13, '08	Jan 20, '08	Jan 27, '0
Automatic analysis of test results	24 hrs	24 hrs	24 hrs			
Integrate with alarming system			16 hrs	24 hrs		
Parag Mhashilkar	6 hrs	24 hrs	48 hrs	72 hrs	32 hrs	
Store output from any stage: Describe suitable test of feature						
D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob						
D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App						
Generalization of Job Types according to I/O Characteristics						
Resolve how to add production paths in future: Document						
Start Prod at Stage 2: SamGrid notification=all bug fix				24 hrs	32 hrs	
New VDT: software adaptation and deployment						
Developers install and test candidate fwd node (by Fri Oct 26)						
Adjust current installation instructions						
Adjust current software to use standard location as default						
Developers install and test samgrid-like node (by Fri Nov 2)						
Adjust current installation instructions						
Adjust current software to use standard location as default						
Define standard durable location machine configuration						
Developers install and test durable location node (by Fri Nov 23)						
Adjust current installation instructions						
Adjust current software to use standard location as default						
Auto-clean up SamGrid job queue (samgrid.fnal.gov)						
Auto-clean up OSG job queue (fwd nodes)						
Resolve: Globus gatekeeper does not properly cleanup gass caches						
Periodically clean up gram log files at fwd nodes and exec sites						
Clean up sandboxes and jim_tmp areas at fwd node						
Clean up non-rotated log files (eg. Tomcat)						
Automation of all gridmap file management (including condor_schedd)						
Add the deployment of scripts to installation instructions						
Determine goal level, requirements						
Determine existing querying performance	6 hrs					
Evaluate condor_quill, if determined to be necessary		24 hrs	16 hrs			
Improve algorithm for selection of OSG resources			24 hrs	16 hrs		
Investigate alternative (to UPD) deployment methods						
Simplify installation process with new method or with a UPD umbrella package						
Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space						
Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures						
Auto Mgmt XML DB: Large DB performance degradation						
Auto Mgmt XML DB: Infrequent index corruption						
Fix Immortal Jobs: SamGrid development/integration						
Job State diagram with most common error state causes						
Augment Job States to be more meaningful to large customer						
Establish service level for optimal performance and implications on system config			8 hrs	32 hrs		
Adam Lyon						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Dec 23, '07	Dec 30, '07	Jan 6, '08	Jan 13, '08	Jan 20, '08	Jan 27, '0
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications						
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config	24 hrs 24 hrs	24 hrs 24 hrs	8 hrs 8 hrs	32 hrs 32 hrs		
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config	8 hrs 8 hrs		8 hrs 8 hrs	32 hrs 32 hrs		
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob						
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures						
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Dec 23, '07	Dec 30, '07	Jan 6, '08	Jan 13, '08	Jan 20, '08	Jan 27, '0
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB						
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system	24 hrs	24 hrs	40 hrs	24 hrs		
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Dec 23, '07	Dec 30, '07	Jan 6, '08	Jan 13, '08	Jan 20, '08	Jan 27, '0
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jan 27, '08	Feb 3, '08	Feb 10, '08	Feb 17, '08	Feb 24, '08	Mar 2, '08
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD		12 hrs				
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts	12.8 hrs	40 hrs	8 hrs			
Gabriele Garzogio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action						
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

[illegible]

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jan 27, '08	Feb 3, '08	Feb 10, '08	Feb 17, '08	Feb 24, '08	Mar 2, '08
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications						
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzero (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config						
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config	16 hrs 16 hrs					
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature						
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob						
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures						
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jan 27, '08	Feb 3, '08	Feb 10, '08	Feb 17, '08	Feb 24, '08	Mar 2, '08
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB						
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system						
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Jan 27, '08	Feb 3, '08	Feb 10, '08	Feb 17, '08	Feb 24, '08	Mar 2, '08
Improve job monitoring, include trend plots						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Mar 2, '08	Mar 9, '08	Mar 16, '08	Mar 23, '08	Mar 30, '08	Apr 6, '08
Amber Boehnlein Resolve how to add production paths in future: D0 Approval Operations Policies doc: Approve - CD, D0 Baseline Plan: Approval by ABS, CD Project Close-out Report Approval: ABS, CD						
Rob Kennedy High-level Architecture Document: Approval - VW Operations Policies doc: Approve - CD, D0 Develop WBS for implementing this capability Project Definition Document: Draft w/o WBS/Schedule Project Execution Plan: Draft w/o WBS/Schedule Baseline Plan: Integrate components, feed-back, update draft v1.1 Baseline Plan: Approval by ABS, CD Execution Phase (Level of Effort = 15%) Project Close-out Meeting Project Close-out Report Project Close-out Report Approval: ABS, CD Archive project artifacts						
Gabriele Garzoglio Testing responsibilities, procedures proposal Organize activities to prepare for LCG fwd node downtime Open Science Enclave baseline security plan - implications on SamGrid, CAB Use ResS (more flexible than use of roles) Establish service level for optimal performance and implications on system config Evaluate request, determine best course of action						
Andrew Baranovski Tool to setup worker node environment Simplify maintenance of automatic clean-up scripts for durable locations Make output sandbox space management more robust Provide tools (to MD) for accessing old logfiles Develop converter between SamGrid config and next-gen cron Generate NGOP agents from set of monitoring scripts and config Store duplicate configuration of fwd node Accept existing configuration of fwd node Dispatch list of monitoring agents periodically, collect statuses Create distributable UPD package Develop generic scripts for Gridftp and Fcp monitoring Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, optional scheduling component Data Nodes: Stager, Durable location, caches, Gridftp, Fcp Assess automation of alarming systems Integration deployment and testing Documentation Develop automatic job management framework						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Mar 2, '08	Mar 9, '08	Mar 16, '08	Mar 23, '08	Mar 30, '08	Apr 6, '08
Automatic analysis of test results Integrate with alarming system						
Parag Mhashilkar Store output from any stage: Describe suitable test of feature D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App Generalization of Job Types according to I/O Characteristics Resolve how to add production paths in future: Document Start Prod at Stage 2: SamGrid notification=all bug fix New VDT: software adaptation and deployment Developers install and test candidate fwd node (by Fri Oct 26) Adjust current installation instructions Adjust current software to use standard location as default Developers install and test samgrid-like node (by Fri Nov 2) Adjust current installation instructions Adjust current software to use standard location as default Define standard durable location machine configuration Developers install and test durable location node (by Fri Nov 23) Adjust current installation instructions Adjust current software to use standard location as default Auto-clean up SamGrid job queue (samgrid.fnal.gov) Auto-clean up OSG job queue (fwd nodes) Resolve: Globus gatekeeper does not properly cleanup gass caches Periodically clean up gram log files at fwd nodes and exec sites Clean up sandboxes and jim_tmp areas at fwd node Clean up non-rotated log files (eg. Tomcat) Automation of all gridmap file management (including condor_schedd) Add the deployment of scripts to installation instructions Determine goal level, requirements Determine existing querying performance Evaluate condor_quill, if determined to be necessary Improve algorithm for selection of OSG resources Investigate alternative (to UPD) deployment methods Simplify installation process with new method or with a UPD umbrella package Auto Mgmt XML DB: Procedure to remove old XML DB entries. recover FS space Auto Mgmt XML DB: Automate this or make part of maint. downtime procedures Auto Mgmt XML DB: Large DB performance degradation Auto Mgmt XML DB: Infrequent index corruption Fix Immortal Jobs: SamGrid development/integration Job State diagram with most common error state causes Augment Job States to be more meaningful to large customer Establish service level for optimal performance and implications on system config	40 hrs	40 hrs	40 hrs	24 hrs		
	8 hrs 32 hrs	16 hrs 24 hrs	24 hrs 16 hrs	24 hrs		
Adam Lyon						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Mar 2, '08	Mar 9, '08	Mar 16, '08	Mar 23, '08	Mar 30, '08	Apr 6, '08
Operations Policies doc: Revised version Operations Policies doc: Final version Assess automation of maintenance operations Develop generic NGOP rules: alarm severity, paging/email notifications						
Mike Diesburg Fix d0srv065 storage issues Run D0 Primary Prod to verify storage fix Scale-up D0 Primary Prod to 200 nodes Open Science Enclave baseline security plan - implications on SamGrid, CAB Allow access by MD to dir/files on CAB owned by dzeropro (we suggest getting root access) JIM production release consistent with d0runjob v7-7-3 and higher Define conditions of challenge Service Challenge execution Establish service level for optimal performance and implications on system config						
Randolph Herber Understand SAM-Grid representation requirements: Ops part Automated administration of NGOP schema and config						
Joel Snow Store output from any stage: Production-level test D0repro tools adaptation: Production-level test Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures Start Prod at Stage 2: Production-level re-test New VDT: Production-level test Fix Immortal Jobs: Production-level test Establish service level for optimal performance and implications on system config					16 hrs	
MC Request Submitter Store output from any stage: Create/submit requests to test feature Fix Immortal Jobs: Create/submit requests to test feature				16 hrs 16 hrs		
Peter Love D0repro tools adaptation: Evaluate impact on SamGrid and/or D0runjob D0repro tools adaptation: Adjust D0runjob to use request system Agreement on Component and Integration testing D0runjob sets up its own environment Evaluate and sign-off on test facilities and procedures Transfer output sandbox selection logic to Runjob						
Daniel Wicke D0repro tools adaptation: Second 50% implementation Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures						
FEF Administrators Admins procure HW parts for all fwd nodes Admins configure candidate fwd node (by Oct 22)						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Mar 2, '08	Mar 9, '08	Mar 16, '08	Mar 23, '08	Mar 30, '08	Apr 6, '08
Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins and REX ops configure production fwd node Admins procure HW parts for samgrid-like node (job queuing, broker, web server) Admins configure test instance of samgrid-like node Admins configure production samgrid-like node Admins procure and configure durable location test node Admins configure test instance of durable location node (by Fri Nov 9) Open Science Enclave baseline security plan - implications on SamGrid, CAB						
REX Operators REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX ops re-installs on candidate machine Switch candidate machine and d0srv047 (fwd + station) (Nov 6) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv66) Put fwd node back into system d0srv66 (Nov 13) REX ops drains and take production fwd node offline REX ops installs software on production fwd node (d0srv15) Switch candidate machine and d0srv15 (1 fwd node downtime) (Nov 15) REX ops installs software on test fwd node (d0srv47) Reinstall LCG fwd node (Dec 4 downtime) REX ops installs software on production samgrid-like node Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime) REX ops re-installs on test machine Stop tmb upload to d0srv063; REX ops reinstalls durable location (Nov 26-27) Stop tmb upload to d0srv065; REX ops reinstalls durable location (Nov 28-29) Develop automatic job management framework Automatic analysis of test results Integrate with alarming system						
SamGrid Developers Agreement on Component and Integration testing Evaluate and sign-off on test facilities and procedures REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort) REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort) Topical Operations Training and Docs as requested by REX ops (Level of Effort)						
External Resource Grid Production System workflow/dataflow diagram Grid Production System info on diagram: node roles, software, maintainers CAB web monitoring changes requested by MD,JS						

Who Does What When as of Mon 10/8/07
D0 Grid Production Computing Initiative
Amber Boehnlein

	Mar 2, '08	Mar 9, '08	Mar 16, '08	Mar 23, '08	Mar 30, '08	Apr 6, '08
Improve job monitoring, include trend plots						